

Title (en)

Apparatus for collision detection of a vehicle with a pedestrian

Title (de)

Vorrichtung zur Detektion einer Kollision eines Kraftfahrzeugs mit einer Person

Title (fr)

Appareil de détection de la collision d'un véhicule avec un piéton

Publication

**EP 1710598 A1 20061011 (DE)**

Application

**EP 05007647 A 20050407**

Priority

EP 05007647 A 20050407

Abstract (en)

The device has contact and acceleration sensors arranged in the area of a bumper of a motor vehicle, and an evaluating unit connected with the sensors. The unit executes a spectral analysis of signals outputted by the acceleration sensors to create an auto-power-spectrum of the signals outputted by the acceleration sensors. The acceleration sensors are activated when a signal outputted by the contact sensor exceeds a preset threshold.

IPC 8 full level

**B60R 21/01** (2006.01)

CPC (source: EP US)

**B60R 21/0132** (2013.01 - EP US); **B60R 21/0136** (2013.01 - EP); **B60R 21/34** (2013.01 - EP)

Citation (search report)

- [XY] US 6329910 B1 20011211 - FARRINGTON ANDREW ROY [GB]
- [Y] WO 02098715 A1 20021212 - AUTOLIV DEV [SE], et al
- [Y] DE 10230560 A1 20040624 - VOLKSWAGEN AG [DE]
- [Y] DE 3817627 A1 19910905 - TELEFUNKEN SYSTEMTECHNIK [DE]
- [Y] GB 2396942 A 20040707 - AUTOLIV DEV [SE]
- [Y] US 5767766 A 19980616 - KWUN HEGEON [US]
- [A] WO 03062780 A1 20030731 - ADVANCED SAFETY CONCEPTS INC [US], et al
- [A] GB 2400352 A 20041013 - AUTOLIV DEV [SE]
- [A] DE 10257125 A1 20040708 - BENTELER AUTOMOBILTECHNIK GMBH [DE]
- [A] DE 102004015474 A1 20041223 - CONTI TEMIC MICROELECTRONIC [DE]

Cited by

DE102014001258A1; DE102007057727B4; DE102012102872A1; US7737833B2; US9260072B2; DE102013101342B4; EP2628646A1; DE102012101296A1

Designated contracting state (EPC)

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**EP 1710598 A1 20061011**; **EP 1710598 B1 20081203**; AT E416106 T1 20081215; DE 502005006132 D1 20090115; JP 2006315665 A 20061124

DOCDB simple family (application)

**EP 05007647 A 20050407**; AT 05007647 T 20050407; DE 502005006132 T 20050407; JP 2006103348 A 20060404